

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 9724-1 (1981): Taper Male Stud Tee Body (Stud Branch)
for Oil-hydraulic Couplings, Part I: Made from Forgings
[PGD 17: Fluid Power Fittings, Hoses and Hose Assemblies]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

(Reaffirmed 2002)



SPECIFICATION FOR TAPER MALE STUD TEE BODY (STUD BRANCH) FOR OIL-HYDRAULIC COUPLINGS PART I MADE FROM FORGINGS

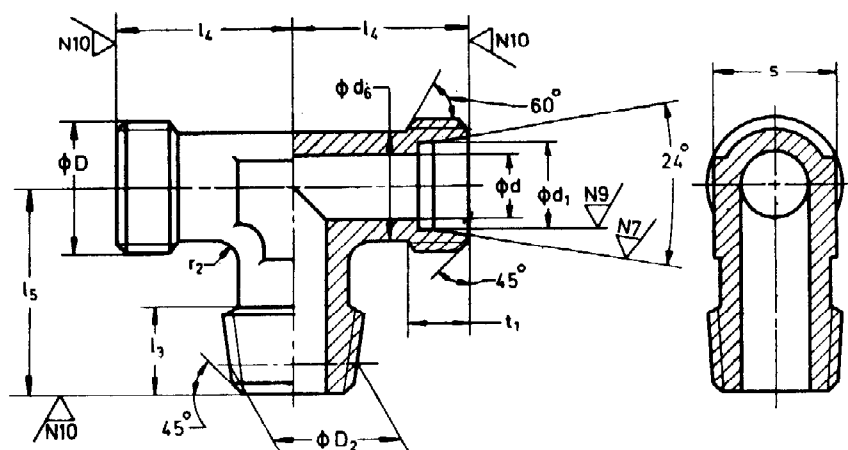
1. Scope — Specifies the dimensions, material and other requirements for taper male stud tee bodies (stud branch) for use in oil-hydraulic systems.

2. Dimensions — Shall be as given in Table 1.

TABLE 1 DIMENSIONS FOR TAPER MALE STUD TEE BODY (STUD BRANCH)

All dimensions in millimetres.

N10 / (N10 / N9 / N7)



Series	Outside Dia of Tube	D*	D ₁ †	d	d ₁ B11	d ₆	t ₁ ± 0.2	l ₃ ± 0.2	l ₄ ± 0.3	l ₅ ± 0.3	r ₂	s‡
Light L	4	M8 × 1	R 1/8	3	4	6.5	6	8	15	17	1.5	7
	6	M12 × 1.5	R 1/8	4	6	10.0	7	8	19	20	2.5	12
	8	M14 × 1.5	R 1/4	6	8	11.0	7	12	21	26	2.5	12
	10	M16 × 1.5	R 1/4	7	10	13.0	8	12	22	27	3.0	14
	12	M18 × 1.5	R 3/8	9	12	15.0	8	12	24	28	3.0	17
	15	M22 × 1.5	R 1/2	11	15	19.0	9	14	28	34	3.0	19
	18	M26 × 1.5	R 1/2	14	18	22.0	9	14	31	36	4.0	24
Heavy H	6	M14 × 1.5	R 1/4	4	6	11.0	9	12	23	26	2.5	12
	8	M16 × 1.5	R 1/4	5	8	13.0	9	12	24	27	3.0	14
	10	M18 × 1.5	R 3/8	7	10	15.0	9	12	25	28	3.0	17
	12	M20 × 1.5	R 3/8	8	12	17.0	9	12	29	28	3.0	17
	14	M22 × 1.5	R 1/2	10	14	19.0	11	14	30	32	3.0	19
	16	M24 × 1.5	R 1/2	12	16	22.0	11	14	33	32	4.0	24

*Threads conforming to IS : 4218-1976 ' ISO metric screw threads ', Class 6g.

†Threads conforming to IS : 554-1975 ' Dimensions for pipe threads where pressure tight joints are required on the threads (second revision) '.

‡Tolerance on s : h14 for s up to 19 mm
h15 for s above 19 mm

Adopted 28 January 1981

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IS : 9724 (Part I) - 1981

3. Material — Steel conforming to Class 1A of IS : 1875-1978 'Specification for carbon steel billets, blooms, slabs and bars for forgings (*fourth revision*)' or any other steel as agreed to between the user and the manufacturer.

4. Surface Protection — Taper male stud tee bodies shall be phosphated to Class A2 of IS : 3618-1966 'Specification for phosphate treatment of iron and steel for protection against corrosion', unless otherwise agreed to between the user and the manufacturer.

5. General Requirements

5.1 These taper male stud tee bodies are intended for assembly in accordance with Type A of IS : 9767-1981 'Specification for tee coupling assemblies for oil-hydraulic systems'.

5.2 For details not covered in this standard, reference shall be made to IS : 8805 (Part I)-1978 'General requirements for ferrule type couplings used in oil-hydraulic systems : Part I General'.

6. Designation — A taper male stud tee body of light series L for outside diameter of tube 6 mm and conforming to this standard shall be designated as:

Stud Tee Body L6 IS : 9724 (Part I)

EXPLANATORY NOTE

This standard covers taper male stud tee bodies (stud branch) made from forgings only. The tee bodies made from bar stock are covered in IS : 9724 (Part II)-1981 'Specification for taper male stud tee body (stud branch) for oil-hydraulic couplings: Part II Made from bar stock'.

In the preparation of this standard, assistance has been derived from the following standards:

BS 4368 : Specification for carbon and stainless steel compression couplings for tubes:

Part 1 : 1972 Heavy series (metric)

Part 3 : 1974 Light series (metric). British Standards Institution (BSI)

DIN 3906 : 1966 Non-soldered taper-bush type pipe unions; T used as an adaptor with taper thread on screwed-in end for use with union nut. Deutsches Institut für Normung (DIN).